### PATENT COOPERATION TREATY

From the: INTERNATIONAL SEARCHING AUTHORITY			
То:			PCT
Griffith Hack GPO Box 4164 SYDNEY NSW 2001		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY	
		(PC	CT Rule 43bis.1)
		Date of mailing (day/month/year)	0 7 MAY 2004
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below	
FP19545	International filing date	(day/month/year) Pr	iority date (day/month/year)
international approximation	8 April 2004		1 April 2003
International Patent Classification (IPC) or b		ation and IPC	
. Cl. <sup>7</sup> C09K 3/18, C09D 5/02, 5/0			
Applicant			
UNISEARCH LIMITED et al.			
1. This opinion contains indications relati	ng to the following it	ems:	
Box No. I Basis of the opinion			·
Box No. II Priority		•	
Box No. III Non-establishment	of opinion with regard t	o novelty, inventive step and	industrial applicability
Box No. IV Lack of unity of inv			
Box No V Reasoned statement	under Rule 43bis.1(a)( ations supporting such	i) with regard to novelty, inv	entive step or industrial applicability;
Box No. VI Certain documents			
	ne international applicat	tion	
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2. FURTHER ACTION			- Cabo International
be the IPEA and the chosen IPEA has no	A") except that this does otified the International dered	Burcau under Rule 66.1bis(	ed to be a written opinion of the International ant chooses an Authority other than this one to b) that written opinions of this International
If this opinion is, as provided above, corwritten reply together, where appropriate PCT/ISA/220 or before the expiration of	• with amendments, be	iore life expiration of a mon-	ing from the case of the
For further options, see Form PCT/ISA/	220.		
3. For further details, see notes to Form PCT/	TSA/220.		
Name and mailing address of the IPEA/AU		Authorized Officer	
ALISTRALIAN PATENT OFFICE		100	
PO BOX 200, WODEN ACT 2606, AUSTRALIA		ALBERT S. J. YONG Telephone No. (02) 6283 2160	
E-mail address: pct@ipaustralia.gov.au Facsimile No. (02) 6285 3929		Telephone No. (U2)	200 2100 - /

JC05 Rec'd PCT/PTO 11 OCT 2005

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International Application No. 352533
PCT/AU2004/000461

Box	x No. I Basis of the opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language, which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing table(s) related to the sequence listing
	b. format of material
	in written format in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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### WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000461

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement  1. Statement				
Claims 26	NO			
Claims	YES			
Claims 1-35	NO			
Claims 1-35	YES			
Claims	NO			
	Claims 1-25,27-35 Claims 26 Claims Claims 1-35 Claims 1-35			

#### 2. Citations and explanations:

#### **CITATIONS**

- D1. WO 2001/014497
- D2. WO 1999/057185
- D3. WO 1998/042452
- D4. EP 1215252
- D5. JP 2002114941
- D6. JP 02208382

#### NOVELTY

Claim 26: This claim is directed to a transparent hydrophobic coating on which water has a contact angle of at least 130°.

D1 discloses a modified gel which is capable of forming a hydrophobic surface on which water has a contact angle of at least 150°. D3 discloses a coated surface having a contact angle >150° and D6 discloses a contact angle of 138°. Hence, the claim is not novel in the light of these citations.

#### INVENTIVE STEP

Claim 26: This claim lacks an inventive step for reasons given above.

Claims 1-25, 27-35: The claimed invention relates to a method of forming a hydrophobic coating on the surface of a substrate, the method comprising the steps of forming an emulsion of particulate material, a surfactant, water and an organic solvent, applying the emulsion to the surface, removing the water and solvent and decomposing the surfactant. Although citations D1 to D6 do not disclose the use of a surfactant, it should be noted that it is common knowledge to a person skilled in the art to use an emulsifier or surfactant to obtain an emulsion from a immiscible mixture of water and organic matter. Hence, the claims are not inventive in the light of the citations.

## WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000461

No. VI Certain docu	ıments cited			
Certain published documen	its (Rules 43bis.1	and 70.10)		
Application No. Patent No.	Publication date (day/month/year)		Filing date (day/month/year)	Priority date (valid claim (day/month/year)
US 6657001	2 December 2003		31 July 2000	23 December 1999
US 6599633	29 July 2003		4 April 2000	10 April 1999
JP 2003128991	8 Ma	y 2003	26 October 2001	26 October 2001
se citations disclose coat 7001 discloses a compos	ing composition	ns for rendering and silica particles,	he surface of a substrate polysiloxane, curing age	hydrophobic. In particular, Usent and a surfactant.
Non-written disclosures (R	ules 43 <i>bis.</i> 1 and '	70.9)		
Non-written disclosures (R Kind of non-written discl		70.9)  Date of non-wri  (day/mon		Date of written disclosure referring to non-written disclosure (day/month/year)
		Date of non-wri		referring to non-written disclosure
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		Date of non-wri	th/year)	referring to non-written disclosure
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		Date of non-wri	th/year)	referring to non-written disclosure

# WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/AU2004/000461

Box No. VIII	Certain observations on the international application						
The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:  Claim 26 is not fully supported by the description. In particular, the hydrophobic coating claimed is not limited to ones prepared according to the present invention.							
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